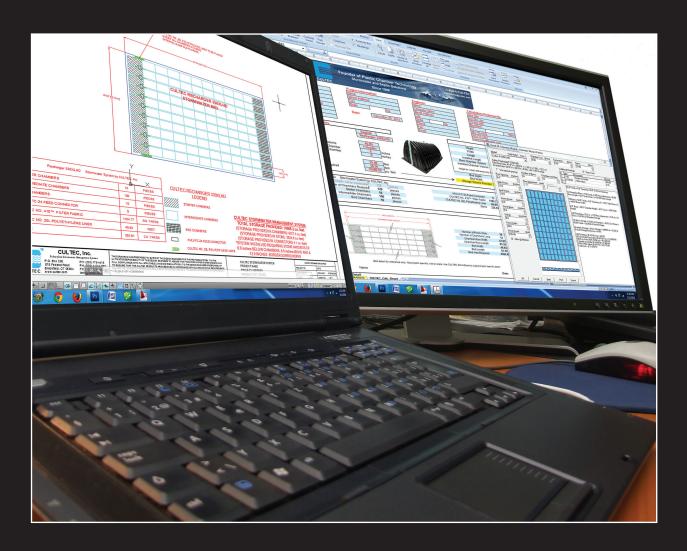
CULTEC StormGenie®

Automated Drawing Program

AutoCAD® Plug-In for Designing CULTEC Stormwater Systems





User's Manual

for use with CULTEC Stormwater Design Calculator & HydroCAD® Stormwater Modeling Software



CULTEC StormGenie® Automated Drawing Program - an AutoCAD® Plug-in



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For technical support, please call (203)775-4416 ext. 2003 or e-mail tech@cultec.com.

For technical support with HydroCAD® Stormwater Modeling, please call HydroCAD Software Solutions LLC at 1(800)927-7246 or (603)323-8666 or e-mail support@hydrocad.net.

Doc ID: CULG026 December 2014

You are using version CULG026 12-14 of our CULTEC StormGenie® User's Manual



What is StormGenie?

The CULTEC StormGenie® is an AutoCAD® plug-in for designing CULTEC Stormwater Systems. The StormGenie generates project-specific AutoCAD drawings for CULTEC's Contactor® and Recharger® Stormwater Systems.

The CULTEC StormGenie may be used in two ways. You can either design the system using the CULTEC Stormwater Design Calculator or you may use the HydroCAD Stormwater Modeling depending on your needs.

The CULTEC StormGenie® takes information from whichever program you prefer and creates the proposed system in AutoCAD®. The generated CAD drawing is fully usable and may be modified and incorporated into existing plans.

CULTEC's StormGenie® automatically generates CAD drawings that include:

- Project-specific Designs
- CULTEC's Internal Manifold System
- Accurate Center-to-Center Spacing and System Dimensions
- Dimensional Call-outs
- Legend and Hatching
- List of Materials for Easy Take-offs
- Storage Provided

CULTEC's Stormwater Design Calculator

The CULTEC, Inc. Stormwater Design Calculator is an MS Excel-based spreadsheet used for designing CULTEC Stormwater Systems. It can be used as a stand alone design tool that generates report outputs based on your parameters.

Calculates:

- List of Materials for Easy Estimating
- Bed Area Required
- Breakdown of Storage Provided
- Custom Cross Section Detail

CULTEC Stormwater Design Calculator is included in the StormGenie software. See C:/Program Files/CULTEC StormGenie or access it from the CULTEC toolbars within AutoCAD.

HydroCAD Stormwater Modeling

HydroCAD is a computer aided design tool for modeling stormwater runoff. Storage calculations are performed easily using HydroCAD's Chamber Wizard. Popular CULTEC stormwater chambers are included in the design library.

Calculates:

• Everything the CULTEC Stormwater Design Calculator does **PLUS** hydraulically models the system.

If you don't already have HydroCAD, you have two options:

Free HydroCAD Sampler

A free HydroCAD Sampler is available from HydroCAD Stormwater Software LLC. The HydroCAD Sampler is a functional evaluation program that lets you create and save projects of up to 5-nodes. It provides most of the capabilities of a full HydroCAD program, but **is limited to 60-minutes** of operation per session. This is a metered sampler of HydroCAD's full version which includes CULTEC chambers as well as a full array of competitor products.

Visit www.hydrocad.net for the free HydroCAD Sampler.



Free HydroCAD CULTEC Edition

If you don't want to be limited to 60-minutes of use, CULTEC offers a free HydroCAD CULTEC edition for **unlimited usage.** With the CULTEC Edition you can construct basic watershed models of up to 5-nodes, including complete storage, runoff, and routing calculations using CULTEC chambers. This edition only includes CULTEC products.

Since the CULTEC Edition will replace any previous HydroCAD installation on your PC, existing HydroCAD users should generally obtain a version update in order to retain all the capabilities of their existing software.

Visit www.cultec.com for the free HydroCAD CULTEC Edition.

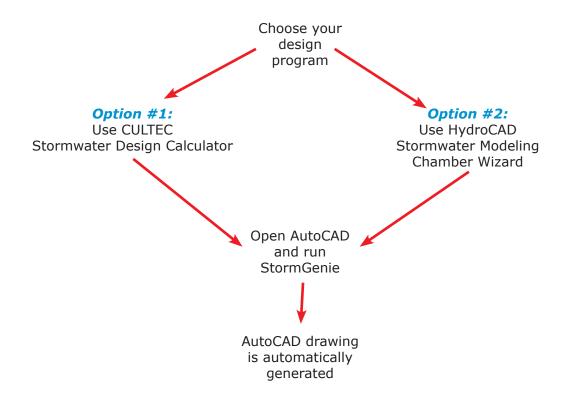
Minimum system requirements:

- Microsoft® Windows OS
- Microsoft® Excel 2002 or later
- AutoCAD® v. 2010-2015 by Autodesk, Inc.

Don't have AutoCAD®? No problem.

Just fill out the CULTEC Stormwater Design Calculator and e-mail it to us and we will design the system for you.

For assistance, call our Technical Department at 203-775-4416 ext. 2003 or e-mail tech@cultec.com For updates to CULTEC Stormwater Design Calculator, visit www.cultec.com/sdc.html For updates to CULTEC StormGenie™, visit www.cultec.com/stormgenie.html





STEP 1: INSTALL THE SOFTWARE

Prior to installation, close all applications.

Installing the CULTEC StormGenie® Program

To avoid conflicts, uninstall any prior versions of the CULTEC StormGenie prior to installing the new version.

To uninstall CULTEC StormGenie:

- Close all applications.
- Go to C:\Program Files and delete folder (not just contents) named "CULTEC StormGenie".

To install from the web:

- Go to http://www.cultec.com/stormgenie.html
- Click on the "DOWNLOAD" button.
- Save the "cultec-stormgenie-setup.exe" file and open it.
- A pop-up will come up stating "Do you want to run or save this file?"
- Click Run.
- A pop-up will come up stating: "The publisher could not be verified. Are you sure you want to run this software?"
- Click Run and follow the on-screen instructions.
- You must register your software in order to use the CULTEC StormGenie program.
- In Setup Wizard, fill in your e-mail address in Registration E-mail.
- Click Get Registration Code.
- Fill out all the required fields.
- Click E-mail Registration.
- Send the generated e-mail.
- You will receive a registration code via e-mail. This may take up to 1-2 business days. Enter the code into the Registration Code field.
- · Click Register.
- Select all AutoCAD profiles to install CULTEC StormGenie to:
- Click Select All.
- Click Install.
- Click Install until pop-up goes away.
- Open AutoCAD and make sure that CULTEC StormGenie is now on your toolbar.





STEP 2 - CALCULATE THE CULTEC STORMWATER SYSTEM

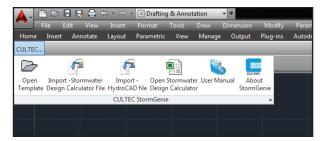
You can calculate your CULTEC Stormwater System using either the CULTEC Stormwater Design Calculator program or with HydroCAD.

Option 1: Calculate a System Using CULTEC Stormwater Design Calculator

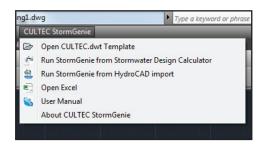
Run CULTEC Stormwater Design Calculator found in C:\Program Files\CULTEC StormGenie\CULTEC Stormwater Design Calculator or open from within AutoCAD from CULTEC StormGenie drop down menu or ribbon.

If already in AutoCAD, click on "Open Design Calculator" on the ribbon or "Open Excel" on the drop down menu.

CULTEC StormGenie Ribbon



CULTEC StormGenie Pull-Down Menu



Read "How to Use the CULTEC Stormwater Design Calculator" located on the USER'S MANUAL tab of the CULTEC Stormwater Design Calculator.

To calculate a system, click on the "CULTEC_Calc_Sheet" tab located at the bottom of the work-book.

Stormwater Design Calculator USER'S MANUAL



Click on the CULTEC_Calc_Sheet tab to get to the calculation page.



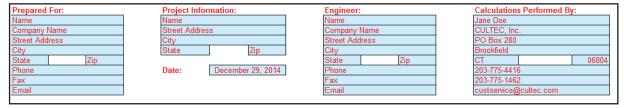
To keep the integrity of the master file, rename the file each time you use it.

Click, File, Save As — enter a unique file name for your project.

Save the CULTEC Stormwater Design Calculator project file in a place you can reference it easily.

Input the custom information into the blue boxes for *Prepared For, Project Information, Engineer, Date,* and *Calculations Performed By.*

Stormwater Design Calculator - Custom report section



Fill in the "Input Given Parameters" section of the Stormwater Design Calculator.

Stormwater Design Calculator - input Given Parameters section



Once you have filled in all the parameters and hit ENTER the spreadsheet automatically calculates the proposed system. You can modify the output by changing the Given Parameters.

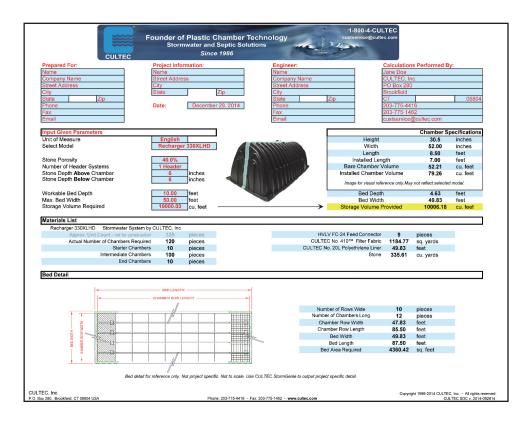
Save the spreadsheet with a unique filename for your project.

Click the hyperlinks under Additional Information to go product web pages and find downloadable CAD Detail Sheets, Submittal Packages, Brochures and product specific information.

Hyperlinks for more information









Sample CULTEC Stormwater Design Calculator Printouts



Option 2 - Calculate a System Using HydroCAD

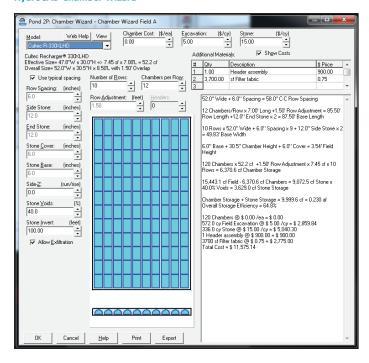
A free 5-node version of HydroCAD CULTEC Edition is available for download on our website at: www.cultec.com/hydrocaddownload.html

To purchase a full version of HydroCAD or for assistance on how to create a system using the Chamber Wizard, contact HydroCAD Technical Support directly by calling 603-323-8666.

Open HydroCAD.

Calculate a system using the HydroCAD Chamber Wizard.

HydroCAD Chamber Wizard



Click Export to export the HydroCAD .txt file.

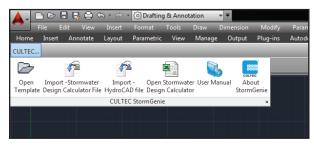
Save your HydroCAD .txt file with a unique filename for your project.

STEP 3 - CREATE THE CAD FILE FOR THE STORMWATER SYSTEM

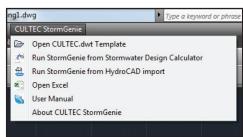
Open AutoCAD.

You will see the CULTEC StormGenie Ribbon and CULTEC StormGenie pull-down menu.

CULTEC StormGenie Ribbon in AutoCAD



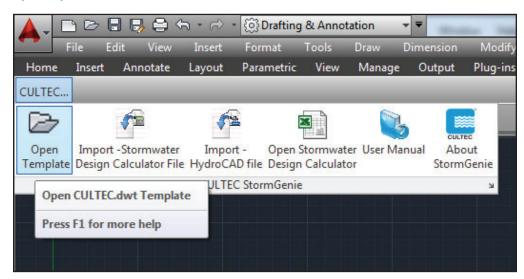
CULTEC StormGenie Pull-Down Menu in AutoCAD





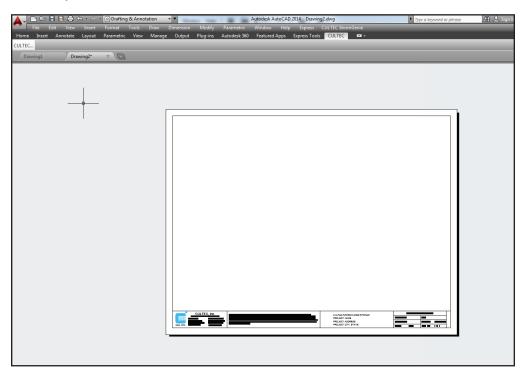
From either the ribbon or the pull-down menu, click "Open Template"

Open Template from Ribbon



The template will open and it will look like this:

CULTEC Template

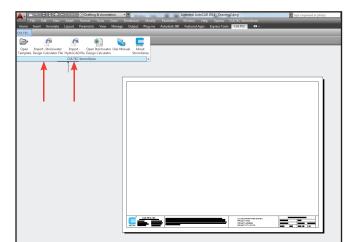


You must perform this step. The drawing cannot be produced without opening up the template prior to importing the file.

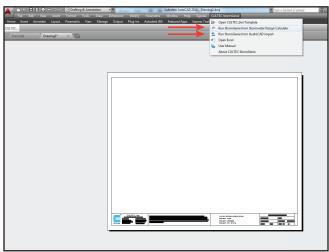
Next, you will either click "Import - Stormwater Design Calculator File" ("Run StormGenie from Stormwater Design Calculator" on pull down) or "Import - HydroCAD file" ("Run StormGenie from HydroCAD import" on pull-down menu) based on how you created your system.



Import from Ribbon



Import from Pull-Down Menu

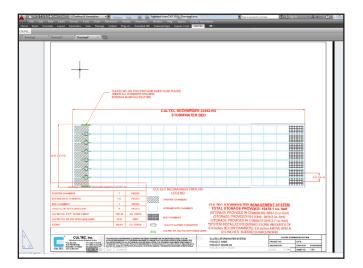


To run StormGenie from Stormwater Design Calculator, click "Import – Stormwater Design Calculator File" and browse to select the Existing Excel Worksheet that you saved for your project. Click open and OK.

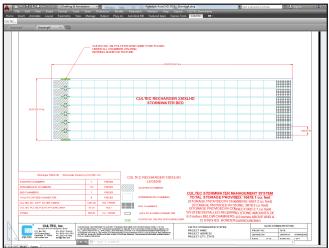
To run StormGenie from HydroCAD file, click "Import – HydroCAD file" and browse to select the Existing HydroCAD file that you saved for your project. Click open and OK.

The drawing is automatically generated to match your Excel worksheet. You can manipulate the drawing from its raw form to clean it up.

System Drawing - prior to manipulation



System Drawing - following manipulation



Save the drawing file.

This drawing may be copied and pasted or imported into civil drawing sets.



Technical Support:

Distributed by CULTEC, Inc. Contact CULTEC, Inc. at 203-775-4416 or e-mail at tech@cultec.com

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For HydroCAD questions, contact HydroCAD Software Solutions LLC at 800-927-7246 or e-mail them at support@hydrocad.net

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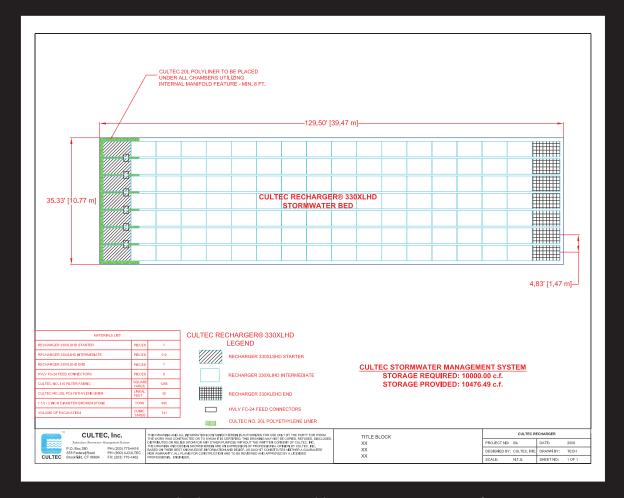
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- 6.4 Governing Law: This EULA shall be governed by and construed in accordance with the laws of State of Connecticut, and the parties hereby agree to the jurisdiction of the courts of State of Connecticut.
- 6.5 Severability: If any Article, Section, paragraph or provision of this EULA is determined to be void or unenforceable in whole or in part, it shall not affect or impair the validity or enforcement of any other provision of this EULA.

CULTEC StormGenie

Automated Drawing Program



Sample drawing generated by CULTEC StormGenie®



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